

Supplementary Information

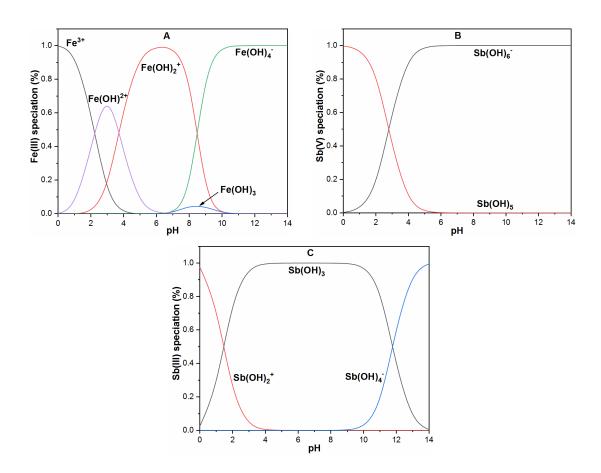


Figure S1. Speciation diagrams of **(A)** Fe(III); **(B)** Sb(V) and; **(C)** Sb(III) at 25 ± 1 °C derived using Visual MINTEQ 3.1.

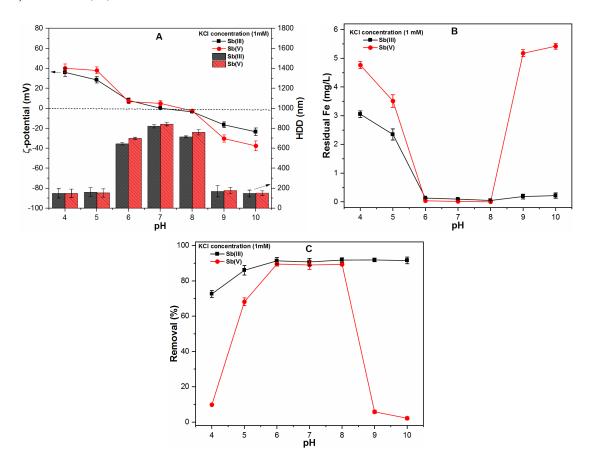


Figure S2. At various pH range (4-10), FC dose (0.1 mM), temperature (25 \pm 1°C), KCl concentration (1 mM) and Sb(III, V) concentration (1 mg/L) showing **(A)** ζ -potential (mV) and HDD (nm) of precipitates; **(B)** Residual Fe (mg/L) and; **(C)** Removal (%) of both Sb species.

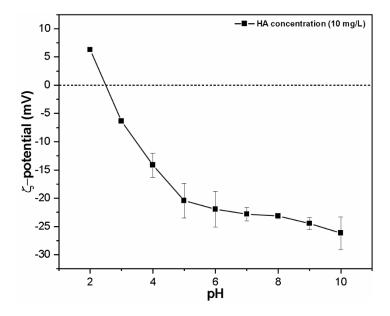


Figure S1. ζ-potential of humic acid (10 mg/L) under different pH (4-10).



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